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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Fady T. Charbel et al.

Title: PATIENT SPECIFIC CIRCULATION MODEL

Docket No.: 1566.002US1

Filed: September 20, 1999

Examiner: Hugh M. Jones

Serial No.: 09/400,365

Due Date: N/A

Group Art Unit: 2128

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting herewith the attached:

- ☒ Communication Re: Incorrect Filing Receipt (1 pg.)
- ☒ Copy of Filing Receipt (3 pgs.)
- ☒ A return postcard.
- ☒ Patent Assignment Abstract of Title page from PAIR (1 pg.)
- ☒ Declaration and Power of Attorney (3 pgs.)

No Additional fee is required.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer No: 21186

By: J. Kevin Parker  
Name: J. Kevin Parker  
Reg. No. 33,024  
JKP:CMG:kkh

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 16 day of February, 2007.

Kathleen Hauser  
Name

Kathleen Hauser  
Signature



S/N 09/400,365

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Fady T. Charbel et al.

Examiner: Hugh M. Jones

Serial No.: 09/400,365

Group Art Unit: 2128

Filed: September 20, 1999

Docket: 1566.002US1

Customer No. 21186

Confirmation No. 3361

Title: PATIENT SPECIFIC CIRCULATION MODEL

COMMUNICATION RE: INCORRECT FILING RECEIPT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants hereby request correction of the Corrected Filing Receipt with respect to the above-identified patent application. In the Corrected Filing Receipt mailed January 31 2007, (copy enclosed), the fourth inventor name should correctly be spelled, "Noam Alperin." The Declaration and Power of Attorney is enclosed with proof of correct spelling.

The assignee name and address is omitted on the Corrected Filing Receipt which is:  
University of Illinois, Board of Trustees  
352 Henry Administration Building, 506 South Wright Street  
Urbana, Illinois 61801. Patent Assignment Abstract of Title page from PAIR is enclosed as proof of oversight.

Applicants would appreciate the above-identified printing error be corrected and that a new "corrected" filing receipt be sent to Applicants' representatives at the address given below.

Respectfully submitted,  
FADY T. CHARBEL ET AL.  
By their Representatives,  
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(847) 432-7302

Date

2-16-07

By

[Signature]  
J Kevin Parker  
Reg. No. 33,024  
JKP:CMG:kkh

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Kathleen Hauser  
Name

[Signature]  
Signature



## UNITED STATES PATENT AND TRADEMARK OFFICE

1566,002 US/

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
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www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
09/400,365	09/20/1999	2128	803	76461	27	50	6

21186

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. BOX 2938  
MINNEAPOLIS, MN 55402



CONFIRMATION NO. 3361

CORRECTED FILING RECEIPT

\*OC000000022260027\*

\*OC000000022260027\*

Date Mailed: 01/31/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

FADY T. CHARBEL, RIVER FOREST, IL;  
MARLYN E. CLARK, URBANA, IL;  
LEWIS SADLER, NAPERVILLE, IL;  
NAOM ALPERIN, CHICAGO, IL;  
FRANCIS LOTH, DOWNERS GROVE, IL;  
MEIDE ZHAO, CHICAGO, IL;

Power of Attorney: The patent practitioners associated with Customer Number 21186.

## Domestic Priority data as claimed by applicant

This application is a CON of 09/243,370 02/03/1999 ABN  
which claims benefit of 60/073,580 02/03/1998

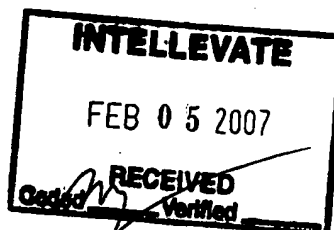
## Foreign Applications

If Required, Foreign Filing License Granted: 10/29/1999

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US09/400,365**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No



Schwegman Lundberg  
Woessner & Kluth P.A.

FEB 05 2007

RECEIVED

**Early Publication Request: No**

**\*\* SMALL ENTITY \*\***

**Title**

**PATIENT SPECIFIC CIRCULATION MODEL**

**Preliminary Class**

**703**

## **PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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09/400,365 PATIENT SPECIFIC CIRCULATION MODEL

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**Patent Assignment Abstract of Title**

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**Total Assignments: 1****Application #:** 09400365**Filing Dt:** 09/20/1999**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** NONE**Pub Dt:****Inventors:** NAOM ALPERIN, FADY T. CHARBEL, MARLYN E. CLARK, LEWIS SADLER, FRANCIS LOTH, MEIDE ZHAO**Title:** PATIENT SPECIFIC CIRCULATION MODEL**Assignment: 1****Reel/Frame:** 010261 / 0021**Received:** 09/28/1999**Recorded:** 09/20/1999**Mailed:** 12/13/1999**Pages:** 3**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** CHARBEL, FADY T.**Exec Dt:** 09/08/1999

CLARK, M. E.

**Exec Dt:** 09/08/1999

SADLER, LEWIS

**Exec Dt:** 09/08/1999

ALPERIN, NOAM

**Exec Dt:** 09/08/1999

LOTH, FRANCIS

**Exec Dt:** 09/08/1999

ZHAO, MEIDE

**Exec Dt:** 09/08/1999**Assignee:** ILLINOIS, UNIVERSITY OF, BOARD OF TRUSTEES OF, THE  
352 HENRY ADMINISTRATION BUILDING, 506 SOUTH WRIGHT STREET  
URBANA, ILLINOIS 61801**Correspondent:** WELSH & KATZ, LTD.

JON P. CHRISTENSEN, ESQ.

120 SOUTH RIVERSIDE PLAZA, 22ND FLOOR

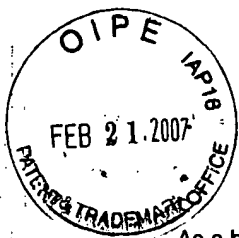
CHICAGO, ILLINOIS 60606

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**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare:

That my residence, post office address and citizenship are as stated below next to my name.

That I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CEREBRAL CIRCULATION MODEL AND APPLICATIONS**

the specification of which (check one)

(X) is attached hereto.

( ) was filed on \_\_\_\_\_ as

Application Serial No. \_\_\_\_\_

and was amended on \_\_\_\_\_  
(if applicable)

That I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

That I acknowledge the duty to disclose information known to be material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

That I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

☐ Yes ☐ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Number) (Filing Date)

\_\_\_\_\_  
(Application Number) (Filing Date)

That I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

United States Application(s)

09/243,870 February 3, 1999 pending  
(Application Serial No.) (Filing Date) (Status)-(Patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.) (Filing Date) (Status)-(Patented, pending, abandoned)

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That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

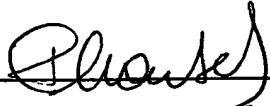
I hereby appoint the following attorneys, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith and request that all correspondence and telephone calls in respect to this application be directed to WELSH & KATZ, LTD., 120 South Riverside Plaza, 22nd Floor, Chicago, Illinois 60606, Telephone No. (312) 655-1500:

<u>Attorney</u>	<u>Registration No.</u>
A. Sidney Katz	24,003
Richard L. Wood	22,839
Jerold B. Schnayer	28,903
Eric C. Cohen	27,429
Joseph R. Marcus	25,060
Gerald S. Schur	22,053
Gerald T. Shekleton	27,466
James A. Scheer	29,434
Daniel R. Cherry	29,054
Edward P. Gamson	29,381
Kathleen A. Rheintgen	34,044
Thomas W. Tolpin	27,600
Jon P. Christensen	34,137

Full name of sole or one  
joint inventor:

Fady T. Charbel

Inventor's signature:



Date:

9/7/93

Residence and Post Office Address:

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Citizenship:

United States

Address for Correspondence:

WELSH & KATZ, LTD.  
120 South Riverside Plaza  
22nd Floor  
Chicago, Illinois 60606

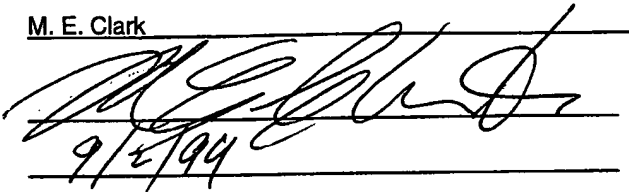


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Full name of additional  
joint inventor, if any:

M. E. Clark

Inventor's signature:

  
9/2/94

Date:

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United States

Full name of additional  
joint inventor, if any:

Lewis Sadler

Inventor's signature:

\_\_\_\_\_  
\_\_\_\_\_

Date:

Residence and Post Office Address:

115 Elmwood Drive

Naperville, Illinois 60640

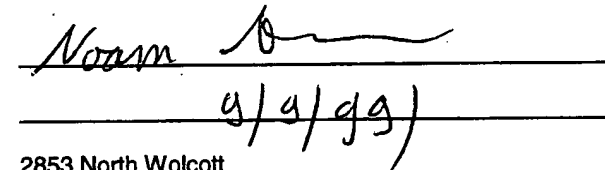
Citizenship:

United States

Full name of additional  
joint inventor, if any:

Noam Alperin

Inventor's signature:

  
9/9/94

Date:

Residence and Post Office Address:

2853 North Wolcott

Unit B

Chicago, Illinois 60657

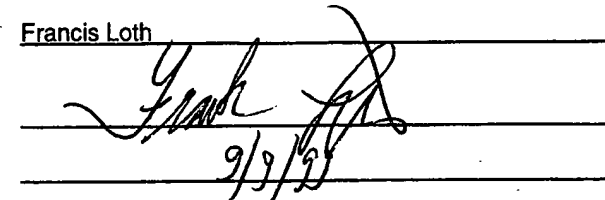
Citizenship:

United States

Full name of additional  
joint inventor, if any:

Francis Loth

Inventor's signature:

  
9/9/95

Date:

Residence and Post Office Address:

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Downers Grove, Illinois 60516

Citizenship:

United States

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Full name of additional  
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Meide Zhao

Inventor's signature:

Meide Zhao  
September 3rd, 1999

Date:

Residence and Post Office Address:

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Apt. 3F

Chicago, Illinois 60616

Citizenship:

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